

<b>Substitut for f rm 1449A/PTO (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	<b>Applicati n Number</b>	09/965417
	<b>Filing Date</b>	September 27, 2001
	<b>First Named Invent r</b>	All n, Richard C.
	<b>Art Unit</b>	1732
	<b>Examiner Name</b>	Unknown
	<b>Attorney Case Number</b>	56233US002



U.S. Patent Documents						
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Doc. Number-(Kind Code if Known)				
MOV	A1	US- 3,941,901	03/02/1976	Harsch		
	A2	US-				
	A3	US-				
	A4	US-				
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				
	A9	US-				
	A10	US-				
	A11	US-				

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Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
MOV	B1	EP	0 457 607 A2	11/21/1991			
↑	B2	EP	0 770 889 A2	05/02/1997			
↓	B3	GB	2 324 881 A	11/04/1998			
↓	B4	GB	2 326 727 A	12/30/1998			
MIR	B5	GB	2 326 728 A	12/30/1998			
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOV	C1	Schadt M. et al.: "Photo-Induced Alignment and Patterning of Hybrid Liquid Crystalline Polymer Films on Single Substrates", <i>Jpn. J. Appln. Phys.</i> , Vol. 34 (1995) pp. L764-L767.
	C2	
	C3	

*Examiner: <i>M. Vagstad</i>	Date Considered: <i>8/8/03</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 27, 2001

First Named Inventor

Allen, Richard C.

Art Unit

1732

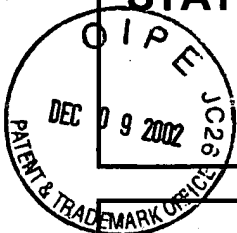
Examiner Name

Attorney Case Number

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		Doc. Number-(Kind Code if Known)			
MDV	A1	US- 5,686,979	11/11/97	Weber et al.	
MDV	A2	US- 6,124,905	09/26/00	Iijima	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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		Ctry. Code	Number-KindCode (if known)				
MDV	B1	PCT	WO01/79923	10/25/01			
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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	C1	
	C2	
	C3	

\*Examiner: M. Vagstad

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**Form PTO-1449** (modified)Atty. Docket No.  
56233US002Serial No.  
09/965,417

List of Patents and Publications for Applicant's

Applicant

Richard Charles Allen, Christopher C. Bowley,  
Stephen John Pankratz, Philip Edwin Watson**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

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See Pages 3-4Other Art  
See Page 4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
MOV	A1	3,213,753	10/26/65	Rogers	88	65	
A	A2	3,914,017	10/21/75	Bedell et al.	350	154	
	A3	4,084,883	04/18/78	Eastman et al.	350	152	
	A4	4,133,775	01/09/79	Bloom	252	300	
	A5	4,166,871	09/04/79	Schuler	427	163	
	A6	4,521,080	06/04/85	Funada et al.	350	341	
	A7	4,591,512	05/27/86	Racich et al.	427	163	
	A8	4,886,332	12/12/89	Wolfe	350	96.12	
	A9	4,974,941	12/04/90	Gibbons et al.	350	349	
	A10	5,032,009	07/16/91	Gibbons et al.	350	341	
	A11	5,155,610	10/13/92	Hikmet et al.	359	75	
	A12	5,196,953	03/23/93	Yeh et al.	359	73	
	A13	5,206,752	04/27/93	Itoh et al.	359	106	
	A14	5,389,698	02/14/95	Chigrinov et al.	522	2	
	A15	5,486,884	01/23/96	De Vaan	353	122	
	A16	5,506,704	04/09/96	Broer et al.	359	63	
	A17	5,583,677	12/10/96	Ito et al.	349	118	
	A18	5,583,679	12/10/96	Ito et al.	349	118	
	A19	5,602,661	02/11/97	Schadt et al.	349	124	
	A20	5,619,352	04/08/97	Koch et al.	349	89	
	A21	5,635,105	06/03/97	Kawata et al.	252	299.01	
	A22	5,666,223	09/09/97	Bennett et al.	359	490	
	A23	5,691,789	11/25/97	Li et al.	349	98	
MOV	A24	5,731,405	03/24/98	Gibbons et al.	528	353	

Examiner: *M. Vagstad*Date Considered: *8/8/03*

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1732U.S. Patent Documents  
See Pages 1-3Foreign Patent Documents  
See Pages 3-4Other Art  
See Page 4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
MOV	A25	5,751,388	05/12/98	Larson	349	96	
↑	A26	5,783,120	07/21/98	Ouderkirk et al.	264	1.34	
	A27	5,784,139	07/21/98	Chigrinov et al.	349	117	
	A28	5,793,455	08/11/98	Nakamura	349	96	
	A29	5,793,456	08/11/98	Broer et al.	349	98	
	A30	5,798,808	08/25/98	Van Haaren et al.	349	96	
	A31	5,807,498	09/15/98	Gibbons et al.	252	299.4	
	A32	5,817,743	10/06/98	Gibbons et al.	528	353	
	A33	5,825,542	10/20/98	Cobb, Jr., et al.	359	487	
	A34	5,825,543	10/20/98	Ouderkirk et al.	359	494	
	A35	5,838,407	11/17/98	Chigrinov et al.	349	187	
	A36	5,867,316	02/02/99	Carlson et al.	359	500	
	A37	5,882,774	03/16/99	Jonza et al.	428	212	
	A38	5,917,664	06/29/99	O'Neill et al.	359	831	
	A39	5,929,201	07/27/99	Gibbons et al.	528	353	
	A40	5,932,626	08/03/99	Fong et al.	522	182	
	A41	5,940,211	08/17/99	Hikmet et al.	359	490	
	A42	5,946,064	08/31/99	Lee	349	124	
	A43	5,958,292	09/28/99	Gibbons et al.	252	299.4	
	A44	5,958,293	09/28/99	Gibbons et al.	252	299.4	
	A45	5,965,247	10/12/99	Jonza et al.	428	212	
	A46	5,965,691	10/12/99	Gibbons et al.	528	353	
	A47	5,978,055	11/02/99	Van DeWitte et al.	349	119	
MOV	A48	5,986,734	11/16/99	Winker et al.	349	123	

Examiner: *M. Vugot*

Date Considered: 8/8/03

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See Pages 1-3Foreign Patent Documents  
See Pages 3-4Other Art  
See Page 4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
MDJ	A49	5,995,184	11/30/99	Chung et al.	349	118	
↑	A50	6,001,277	12/14/99	Ichimura et al.	252	299.4	
	A51	6,043,337	03/28/00	Gibbons et al.	528	353	
	A52	6,044,196	03/28/00	Winston et al.	385	146	
	A53	6,061,113	05/09/00	Kawata	349	117	
	A54	6,061,138	05/09/00	Gibbons et al.	356	400	
	A55	6,064,457	05/16/00	Aminaka	349	117	
	A56	6,084,057	07/04/00	Gibbons et al.	528	353	
	A57	6,088,079	07/11/00	Kameyama et al.	349	185	
	A58	6,096,375	08/01/00	Ouderkirk et al.	427	163.1	
	A59	6,097,461	08/01/00	Sharp	349	121	
	A60	6,099,758	08/08/00	Verrall et al.	252	585	
	A61	6,124,971	09/26/00	Ouderkirk et al.	349	487	
	A62	6,153,272	11/28/00	Kim et al.	428	1.5	
MDJ	A63	6,160,597	12/12/00	Schadt et al.	349	98	

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MDJ	B1	0 940 705 A1	09/08/99	EP	G02F	1/1335	
↑	B2	0 961 138 A1	12/01/99	EP	G02B	5/30	
	B3	WO95/17303	06/29/95	PCT	B32B	7/02	
	B4	WO95/17691	06/29/95	PCT	G02B	5/30	
	B5	WO95/17692	06/29/95	PCT	G02B	5/30	
MDJ	B6	WO95/17699	06/29/95	PCT	G02F	1/1335	

Examiner: *M. Vengat*Date Considered: *8/8/03*

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
MOV	B7	WO96/06380	02/29/96	PCT	G02F	1/1335	
↑	B8	WO96/19347	06/27/96	PCT	B32B	7/02	
	B9	WO97/44409	11/27/97	PCT	C09K	19/38	
	B10	WO98/52077	11/19/98	PCT	G02B	5/30	
	B11	WO99/08148	02/18/99	PCT	G02F		
	B12	WO99/36262	07/22/99	PCT	B32B	27/00	
	B13	WO99/60073	11/25/99	PCT	C09K	19/56	
	B14	WO00/39633	07/06/00	PCT	G02F	1/1337	
	B15	WO00/39631	07/06/00	PCT	G02F	1/1335	
MOV	B16	2000/154261A	06/06/00	JP	C08J	5/18	Abstract Only

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
MOV	C1	Benecke et al., "Determination of Director Distributions in Liquid Crystal Polymer-Films by Means of Generalized Anisotropic Ellipsometry", <i>J. Appl. Phys.</i> Vol. 39 pp. 525-531 (2000)
↑	C2	Chen et al., "Wide Viewing Angle Photoaligned Plastic Films for TN-LCDs" SID International Symposium (1999)
	C3	Scheffer et al., "Accurate determination of liquid-crystal tilt bias angles" <i>J. Appl. Phys.</i> Vol. 48 pp. 1783-1792 (1977)
	C4	Yeh, et al., "Jones Matrix Method", <i>Optics of Liquid Crystal Displays- John Wiley &amp; Sons, Inc.</i> , Chapter 4, pp. 103-151 (1999)
	C5	Yeh, et al., "Extended Jones Matrix Method", <i>Optics of Liquid Crystal Displays- John Wiley &amp; Sons, Inc.</i> , Chapter 8, pp. 306-355 (1999)
MOV	C6	Yeh, et al., "Optical Compensators for LCDs", <i>Optics of Liquid Crystal Displays- John Wiley &amp; Sons, Inc.</i> , Chapter 9, pp. 357-385 (1999)

Examiner: *M. Vargot*

Date Considered: 9/8/03

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